The Second **IQuOD** Workshop

International Quality-Controlled Ocean Database
June 4 – 6, 2014
NODC/NOAA, Silver Spring, Washington DC, USA.

Where: NOAA Climate Program Office, Washington DC, USA
Suite 1202, 1100 Wayne Avenue, Silver Spring, MD 20910

When: June 4-6, 2014 (2.5 days)

Organisers: Gustavo Goni (AOML/NOAA, US), Tim Boyer (NODC/NOAA, US), Catia Domingues (ACE CRC, CLIVAR-GSOP, Australia), Ann Thresher (CSIRO, Australia), Matt Palmer (MetOffice, CLIVAR-GSOP, UK), Simon Good (MetOffice, UK) and Rebecca Cowley (CSIRO, Australia).

http://www.iquod.org/

The IQuOD initiative

Its main goal is to work towards producing and freely distributing the **highest quality, complete and consistent** historical subsurface ocean temperature global database, along with (intelligent) metadata and assigned uncertainties.

This goal will be achieved through the **development of an internationally-agreed framework (best practices) and coordinated implementation** over a 3-5 year period (subject to funding).

IQuOD is an effort of the international community seeking out to reach to a broad spectrum of **scientists, instrumentation experts, data managers and end-users worldwide**, so as to make the best use (and with increased confidence) of an irreplaceable collection of tens of millions of historical temperature profiles (since 1773s), worth tens of billions of dollars, to a greater range of Earth system, climate and ocean-related research, applications and services of societal benefit.

Current IQuOD participants include a number of groups from:

- America (Canada, USA, Mexico, Brazil, Argentina)
- Africa (South Africa)
- Europe (UK, Germany, Russia, France)
- Asia (India, Japan, China, Australia)

We would like to invite you to attend and participate in the 2nd IQUOD workshop as we believe that your contribution to it will be of great value towards achieving the goals of this internationally-coordinated community initiative.

Workshop Purpose

The purpose of the 2nd IQuOD workshop is to continue working towards establishing a unique global database, to which the best quality-control (QC) procedures have been applied to the data, including setting error flags for each profile and at each temperature.

At this stage, we are working towards assessing different automated and manual QC procedures for (non-Argo) temperature profile observations.

We will be also working towards recovering all profile data and metadata that have not been included in the internationally public databases, many of which reside in data centers without being processed.

Main Topics (oral presentations/open discussions)

1. Evaluation of auto QC benchmarking tests/results. (potential scientific/technical papers resulting from this activity)
2. Development of goals for the task force on manual QC (potential scientific/technical papers resulting from this activity; identifying regional ocean experts)
3. Attaching uncertainties to observations: forming a task force on data formats (interoperability/traceability/preservation), intelligent metadata, flagging and uncertainty estimates.
4. How best to engage the end-user communities to deliver the most valuable/useable dataset and added-value products: promoting and refining the importance of the deliverables to the data assimilation, climate modelling, Earth System and other interested communities; coordinating and/or enhancing links with ongoing activities from international agencies and intergovernmental bodies (GCOS, OOPC, GEO, etc).
5. Identifying funding opportunities and organizing strategies.
6. Review of overall project structure, work plans (scientific/implementation) and progress since 1st IQuOD workshop.

Expected Outcomes

1. Workshop report.
2. Scientific/technical papers as decided on at the workshop.
3. Greater involvement and improved engagement with worldwide communities and agencies.

Please visit **http://www.iquod.org** to **register** your interest. Deadline: **1 May, 2014**.

Note: a full agenda will be available on the 12 May, 2014.

With best wishes,
The workshop organisers